

Amendments to the Specification:

Please replace the paragraph beginning at page 1, line 57, with the following rewritten paragraph:

ABSTRACT

This proxy for at least one end-to-end data flow in a network comprises an estimation unit, for estimating ~~(40)~~ the current minimum data load necessary to occupy the bandwidth available to the flow in the network. The estimation unit outputs a flow's pipe capacity estimation. This proxy also comprises a comparison unit, for comparing ~~(42)~~ the estimated pipe capacity with a predetermined capacity threshold, a decision unit, for deciding ~~(44, 46)~~ to proxy the end-to-end flow if the estimated pipe capacity lies above the capacity threshold, and a routing unit, for routing the flow according to the decision.